

ABSTRACT OF THE DISCLOSURE

Combustion method and apparatus for NO<sub>x</sub> reduction which are capable of achieving NO<sub>x</sub> reduction with the value of exhaust NO<sub>x</sub> under 10 ppm, as well as CO reduction at the same time. The combustion method for fulfilling NO<sub>x</sub> reduction and CO reduction by suppressing temperature of combustion gas derived from a burner comprises a NO<sub>x</sub> reduction step for suppressing combustion gas temperature in such a manner that suppression of NO<sub>x</sub> generation is preferred to reduction of exhaust CO value, thereby keeping NO<sub>x</sub> value not more than a specified value, and a CO reduction step for thereafter reducing exhaust CO value resulting from the NO<sub>x</sub> reduction step to not more than a specified value.